| PCSITION                  | MILALS | ID NO.  | DATE     |  |  |  |  |
|---------------------------|--------|---------|----------|--|--|--|--|
| FEE DETERMINATION         |        |         |          |  |  |  |  |
| O.I.P.E. CLASSIFIER       |        | 12      | 112      |  |  |  |  |
| FORMALITY REVIEW          | ΚŒ     | 165/105 | 62-16 CI |  |  |  |  |
| RESPONSE FORMALITY REVIEW |        |         |          |  |  |  |  |

## **INDEX OF CLAIMS**

| <b>v</b>        | Rejected      | N | Non-elected  |
|-----------------|---------------|---|--------------|
| =               | •             | 1 | Interference |
| — (Through nume | ral) Canceled | Α | Appeal       |
| ÷               |               | 0 | Objected     |

| ~-             |  | Т            |          |            |           |           | >-4      | _              |          |                    | Claim Date |                  |     |          |                   |                |          |          | $\neg$   | ſ        | Claim Date   |          |          |          |          |     |               |               |  |         |          |              |          |          |              |          |          |
|----------------|--|--------------|----------|------------|-----------|-----------|----------|----------------|----------|--------------------|------------|------------------|-----|----------|-------------------|----------------|----------|----------|----------|----------|--------------|----------|----------|----------|----------|-----|---------------|---------------|--|---------|----------|--------------|----------|----------|--------------|----------|----------|
| Cla            | im                                       | 1.           | T-~      | J .        |           | 1         | Date     | <del>-</del> 1 |          |                    | _          |                  |     | Cla      |                   | ۱              | . M      | ٠,       |          | Tale     | <del>,</del> |          | _        |          | ᅱ        | - 1 |               | $\neg$        | _  | Т-      | _        | Ua.          | 1        | $\neg$   | -1           | _        | _        |
| Final          | o Chiginal                               | 9/1/62       | 3/12/6   | 21/1       | 11/2      | 1001      |          |                |          |                    |            |                  |     | Final    | Original          | 1/26/02        | 3/17/6   | 18.      | \$664    |          |              |          |          |          |          |     | Final         | Original      |  |         |          |              |          |          |              |          |          |
|                | J  | 1            | Π        |            | T         | T         | T        |                |          |                    |            |                  |     | $\Box$   | 3                 | 0              | 7        | $\Delta$ |          |          |              |          | $\perp$  |          | $\Box$   | J   |               | 101           |  |         |          |              |          |          | _            | _        |          |
|                | P  |              |          |            | L         |           |          |                |          |                    |            |                  | }   |          | 3                 | 2              |          | ۲        |          | _        | _            | _        | _        | $\perp$  | _        | J   | _             | 102           |  |         |          |              | _        |          | _            | _        |          |
|                | þ  |              |          |            |           |           |          |                |          |                    |            | _                | ]   | $\Box$   | 55                |                |          |          | $\perp$  | _        | $\perp$      | _        | $\perp$  |          |          |     | _             | 103           | ᆚ  | L       | L        |              |          | $\dashv$ | _ ļ          | _        |          |
|                | 4  |              |          | L          | I         |           |          | $\Box$         |          | $oxed{oxed}$       |            |                  | Į   |          | 5                 |                |          | _        | _        | 4        | _            | _        | _        | _        | 4        |     | _             | 104           |  | ╙       | <u> </u> |              | $\dashv$ | 4        | -1           | _        |          |
| _              | 5  |              | L        | L          | ┸         | $\perp$   | _        |                | _        | 上                  | L          | L                | Į   | _        | 55                | Ш              |          | _        | _        | _        | _            | _        | 4        | 4        | 4        |     | _             | 105           |  | L       | ╄        |              | _        |          | _            | $\dashv$ | _        |
| 1              |  | Ĺ            | $\perp$  | L          | $\perp$   | _         | _        | _              |          | L                  |            |                  | l   | $\vdash$ | 56                |                |          | _        |          | 4        | _            | _        | -        | 4        | _        |     |               | 106           |  | ╙       | -        | _            | $\perp$  | -        |              | _        |          |
| _i             |  |              | _        |            | Ţ.        | 1         | 4        | _              |          | ┖                  | L          | <u> </u>         |     | <u>_</u> | 5                 | $\mathbf{H}$   |          |          |          | _        | -            | _        | _        | _        |          |     | _             | 107           | _  | ╀       | ╀        | Ш            | $\dashv$ | _        |              |          | _        |
| Į              | 1  | 1_           | L        | Ļ          | 1         | 4         | 4        | _              | _        | ↓_                 | ┖          | <u> </u>         | ļ   |          | 58<br>59          | $\angle$       |          |          | _        | 4        | 1            |          | 4        | $\dashv$ | -        |     |               | 108           |  | ├-      | _        | Ш            | -        | $\dashv$ | $\dashv$     |          | _        |
| _              | L P                                      |              | 1_       | ┞          | 4         | 4         | _        | _              |          | ╙                  | L          | <u> </u>         |     | Ľ        |                   | Ī              |          | _        | _        | _        | -+           | -        | +        | $\dashv$ | -        |     | _             | 109           |  | ₽       | ⊢        |              | -        | -        | $\dashv$     | ┥        | _        |
| _              | 1  |              | 1_       | L          | 4         | 4         |          | _              | _        | ┞                  | ⊢          | ▙                | Į   | K        | 60<br>61          | 2              | =        | Ξ        | =        | $\dashv$ | -+           |          | $\dashv$ | +        | $\dashv$ |     |               | 110           | +  | ╀       | $\vdash$ | Н            | $\dashv$ | $\dashv$ | $\dashv$     | -+       | _        |
|                | 1  |              | ╄        | ╄          | ╀         | 4         | 4        | -              | _        | ــــــ             | ┡          | ⊢                | ļ   | 8        | _                 | -              | =        | 11       | =        | -        |              | $\dashv$ | $\dashv$ | +        | $\dashv$ |     | _             | $\rightarrow$ | +  | ╀       | ╁        | Н            |          |          | $\dashv$     | $\dashv$ | _        |
|                | 12                                       | +            | ╀        | ╀          | +         | +         | 4        | _              |          | -                  | $\vdash$   | ├-               | ł   | 9        | 62<br>63          | =              | =        | -        | =        | $\dashv$ |              | $\dashv$ | $\dashv$ | +        | $\dashv$ |     | _             | 112<br>113    | +  | ╁╴      | ╁        | Н            | $\dashv$ | ᅱ        | $\dashv$     | $\dashv$ |          |
| -(             | *  | *            | $\vdash$ | ╀          | ╀         | +         | $\dashv$ | -              | -        | $\vdash$           | -          | ⊢                | {   | 10       | _                 |                | =        | -        | =        | $\dashv$ | +            | $\dashv$ | $\dashv$ | +        | $\dashv$ |     | _             | _             | +  | +       | $\vdash$ | Н            | $\vdash$ | -        | $\dashv$     | $\dashv$ |          |
| `              | 13/4                                     | Ψ            | +-       | +          | +         | +         | 4        | -              |          | ╀                  | $\vdash$   | ┼                | 1   | #        | 64<br>65          | 1              | =        | =        | =        | $\dashv$ | -            |          | $\dashv$ | +        | $\dashv$ |     |               | 114<br>115    | +  | ╁       | +        | H            | $\vdash$ | $\dashv$ |              | $\dashv$ | _        |
|                | 15<br>16                                 |              | ╀        | ╀          | +         | +         | 4        |                | _        | $\vdash$           | +          | $\vdash$         | 1   | 岩        | 66                | <i>3</i> -     | -        | =        | =        | $\dashv$ | -            | $\dashv$ | $\dashv$ | +        | $\dashv$ |     | $\overline{}$ | 116           | +-   | ╁       | +        | $\vdash$     | $\vdash$ |          | $\dashv$     | -        |          |
|                | 10<br>  7                                |              | +-       | +          | +         | +         | 4        | -              | -        | ┢                  | +          | ╀                | 1   | 14       | 67                | =              |          | 11       | =        | +        | $\dashv$     | $\dashv$ | $\dashv$ | +        | $\dashv$ |     | _             | 117           | +  | t       | +        | $\vdash$     | H        | $\dashv$ | $\dashv$     |          | _        |
|                | 8  |              | +        | $\vdash$   | +         | +         | $\dashv$ | -              | -        | ╁                  | ╁          | ┢                | ł   | 15       | 68                | 1              | -        | =        | -        | $\dashv$ | $\dashv$     | $\dashv$ | -        | +        | $\dashv$ |     |               | 118           | +  | T       | $\vdash$ | Η.           | $\vdash$ | -        | $\dashv$     | $\dashv$ | _        |
| _              | 19                                       |              | ╁╌       | ╁          | +         | ┿         | $\dashv$ | -              | -        | ╁                  | ╁          | $\vdash$         | 1   | 16       | 69                | _              | "        | -        | =        | -        | $\dashv$     | $\dashv$ | 1        | ┪        | $\dashv$ |     |               | 119           | +  | +-      | +        | ┢            | П        | $\neg$   |              | ┪        |          |
|                |  |              | ╁        | ╁          | ╀         | +         | +        | $\dashv$       | -        | +                  | ┼          | ╁                | ł   | 17       | 70                | 3              | -        | ļ        | =        | $\dashv$ | +            | ┪        | -1       | $\dashv$ | $\dashv$ |     |               | 120           | +  | 十       | H        |              | Н        |          | $\neg$       |          |          |
|                | 20                                       |              | $\perp$  | +          | +         | +         |          |                |          | ┼-                 | -          | ┡                |     | 18       |                   | $\sim$         | <u> </u> | =        | $\vdash$ | $\dashv$ | -            | $\dashv$ | -+       | $\dashv$ | -        |     |               | 121           | +  | ╁       | +        | -            | Н        |          |              | -        | Н        |
| _              | 21                                       | +            | +-       | ╀          | +         | +         |          |                | L        | ╀                  | ╀          | ╁                | 1   | 19       |                   | _              |          | _        | =        |          | $\dashv$     | _        | -+       | +        | $\dashv$ |     | -             | 122           | +  | ╁╴      | +        | ┢╌           | $\vdash$ | $\dashv$ | $\dashv$     | _        | $\vdash$ |
|                | ľ  | L            | -        |            | 4-        |           | $\dashv$ | _              | H        | $\vdash$           | ╁          | ┼-               |     | 2        | 73                |                | -        | H H      | =        | -        | $\dashv$     | $\dashv$ | -        | $\dashv$ | $\dashv$ |     | <i>.</i>      | 123           |  | +       | +        | -            | Н        |          | 7.5          | .7       | -        |
| -              | H  | 12           | -        | 1          | +         | 1         | $\dashv$ | -              | -        | ╁╤                 | 1          | -                | . : |          | 74                | -              | ÷        | -        | =        |          | -            | -        | -        | $\dashv$ | $\dashv$ |     | -             | 124           | +-   | +       | 1=       | <del> </del> |          | -        | _            | -        | H        |
| =              | 13                                       | -            | +        | -          | +         | -         | _        | -              | $\vdash$ | ╁                  | ╁          | ╁                | { ` | 5        | 75                | -              | -        | -        | =        | $\dashv$ | $\dashv$     |          | -        | $\dashv$ | $\dashv$ |     | $\vdash$      | 125           | +  | t       | ╁╴       | ╁╴           |          |          |              | -        |          |
| _              | 1  | -            | -        | +          | +         | +         | $\dashv$ | -              | -        | +                  | ╀          | +-               | ł   | 7        |                   |                | -        | =        | =        | $\dashv$ | -            | $\neg$   | $\dashv$ | _        | 一        |     | -             | 126           | +  | $^{+}$  | +        | $\vdash$     |          |          |              |          | T        |
| -              | 1  | ;}-          | ╁        | -          | +         | -         | $\dashv$ | -              | ┝        | ╁╌                 | ╁╌         | ╁                | - ا | 20       | 67                |                | $\vdash$ | ┝        | -        |          | t            |          | $\dashv$ | 寸        | $\dashv$ |     |               | 127           | _  | t       | $\top$   | t            | $\vdash$ | $\vdash$ |              | Г        | Н        |
| ┝              | 2  | +            | ╁        | ╁          | +         | +         | $\dashv$ |                | $\vdash$ | ╁╴                 | ╁          | ╁                | 1   | 21       | (7)<br>(8)<br>(9) | <del>  -</del> | $\vdash$ |          | 1        | $\vdash$ | 寸            | _        |          |          | $\neg$   |     | $\vdash$      | 128           | $\top$   | 十       | 1        |              | _        |          |              |          | Г        |
| -              | 긆  | 1 -          | +        | t          | +         | +         |          |                | H        | ╁                  | ╁          | +                | 1   | 22       | 69                | <del>)</del>   | ┢        | H        | =        |          |              |          |          | ┪        | _        |     | Г             | 129           |  | T       | T        | T            | Г        |          | Г            |          | Г        |
|                | 3  | 1            | +        | ╁          | +         | +         | -        | H              | ┢        | +                  | ╁          | 十                | 1_  | 23       | 80                | 1              |          | H        | Ξ        |          |              |          |          | 寸        | $\dashv$ |     | Т             | 130           | $\top$   | T       | T        |              | T        | Г        |              |          | Г        |
| ┝              | 3  | 1            | +        | t          | +         | ┪         | ᅥ        |                | H        | 十                  | t          | +-               | 1   | Т        | 81                | _              |          |          | П        |          |              |          |          | $\neg$   |          |     |               | 131           |  | $\top$  | T        | Т            |          |          |              |          | Γ        |
| ┢              | 3  | 2            | +        | +          | $\dagger$ | 7         | _        | Н              | ┢        | ╁╌                 | ╁          | $\dagger$        | 1   | $\vdash$ | 82                |                |          |          | П        | П        |              | _        |          |          |          |     |               | 132           |  | 1       | 1        |              |          |          |              |          |          |
| <del>  -</del> | 3  | 3            | T        | +          | †         | ┪         |          |                | T        | $\top$             | T          | 1                | 1   | $\vdash$ | 83                |                | $\vdash$ |          | Ħ        | П        |              |          |          |          |          |     | Г             | 133           | T  | 1       | Т        |              |          |          | Г            |          |          |
| Г              |  |              | ✝        | T          | Ť         | T         |          |                | T        | 1                  | T          | t                | 1   |          | 84                |                |          |          | Ī        | П        |              |          |          |          |          |     | Г             | 134           |  | Τ       |          |              | Г        |          |              |          | Γ        |
| Г              | 134                                      | 1            | T        | T          | T         | 寸         |          |                | Г        | T                  | ╁          |                  | 1   | Г        | 85                | 1              |          | П        | П        |          |              |          |          |          | П        |     | Г             | 135           |  |         |          |              |          |          |              | L        | L        |
| 7              | 10 10 10 10 10 10 10 10 10 10 10 10 10 1 | 1            | Ι        |            | 1         | _         |          |                |          | 1                  | Ι          | Γ                | ]   |          | 86                |                |          |          |          |          |              |          |          |          |          |     |               | 136           | $oldsymbol{ol}}}}}}}}}}}}}}$ | $\perp$ | $\perp$  | L            | $\perp$  | $\Box$   | L            | L        | 1        |
|                | (3                                       | 4            | Ι        | T          | _         |           |          | L              | Γ        | 1                  | Ι          |                  | ].  |          | 87                | I              |          |          |          |          |              |          |          |          |          | İ   |               | 137           | $\bot$   |         | L        | L            | $\perp$  |          | $oxed{\Box}$ | $\perp$  | L        |
|                | (3                                       | 3D           |          |            |           |           |          |                |          |                    | Ι          | Т                | ]   |          | 88                |                |          |          |          |          |              |          |          |          |          | ]   | $\Box$        | 138           |  | 1       | ┸        | _            | <u> </u> | <u> </u> | <u> </u>     | L        | ┸        |
|                | 07/54                                    |              | 2        | Ι          | T         |           |          |                |          | $\mathbf{I}$       |            | T                | ]   |          | 89                |                |          |          |          |          |              |          |          |          |          |     | 乚             | 139           |  | 1       | 1        | 上            | $\perp$  | _        |              | L        | Ļ        |
| Г              | P  | $\mathbf{Q}$ | 7.       | <b>4</b> 1 | 7         |           |          | Γ              | Γ        | Т                  | Т          | Τ                | 7   |          | 90                | ı I            |          |          |          |          |              |          |          |          | l        |     |               | 140           |  | $\perp$ | ┸        |              | L        | L        | L            | L        | ┖        |
| K              | 14                                       | 114          | 4        | 7          | = }-      | =         | =        |                | Π        | Τ                  | T          |                  | 1   | Г        | 91                | T              |          | Γ        |          |          | l -          |          | П        |          |          | ]   |               | 141           | $\prod$  | $\int$  |          |              | L        |          |              |          | $\perp$  |
| Ī              | ×  | lv           | ٦Ľ       | 1          |           | ヿ         |          |                | T        | 1                  | $\top$     | 1                | 1   |          | 92                | 2              | Γ        | Т        |          |          |              |          |          |          |          |     |               | 142           | $ lab{T}$  | Ι       | I        |              | L        |          |              |          | Γ        |
|                | N  | XXX          |          | 1          | 7         | ╗         |          |                | Γ        | T                  |            | 1                | 1   |          | 93                |                | Γ        | Γ        | $\Gamma$ |          |              |          |          |          |          | ]   |               | 143           |  | I       | $\perp$  |              |          |          |              |          | L        |
| 4              | 4  | 4 X          | 5 (      | ) =        | = 1       | =         | =        |                | Π        | T                  | T          |                  | 1   |          | 94                | 1              | Γ        | Γ        |          |          |              |          |          |          |          |     |               | 144           | $oxed{\Box}$   |         |          | $\perp$      | $\perp$  |          |              | L        | $\perp$  |
| Ė              | ₹4                                       | 玉            | T        | Ť          | _         |           | _        |                |          | $\perp$            | T          | Ι                | ]   |          | 95                | <u> </u>       |          |          |          |          |              |          |          |          |          |     |               | 145           | $\perp$  | $\perp$ | $\perp$  | L            | L        | 厂        | Ļ            | $\perp$  | Ţ        |
|                | -  | T            | Τ        | Τ          | Ţ         |           |          |                |          | Ι                  | Ι          |                  | ]   |          | 96                |                | L        |          |          |          |              |          |          |          | $\Box$   |     | L             | 146           | $oldsymbol{oldsymbol{oldsymbol{oldsymbol{\Box}}}$  |         | $\perp$  |              | $\perp$  | <u></u>  |              |          | 1        |
| Γ              | 4  | I            | Т        | T          | T         | ٦         |          | Г              | Γ        | Τ                  | T          | $\mathbf{I}^{-}$ | ]   |          | 97                |                | Γ        |          |          |          |              |          |          | $\Box$   |          |     | L             | 147           |  |         | $\perp$  | $\perp$      | L        | 上        |              | L        | L        |
| Г              |  |              |          | 1          | _†        | $\exists$ |          |                | Γ        | I                  | I          | $\perp$          | ]   |          | 98                |                |          |          |          |          |              |          |          | 匚        |          | 1   |               | 148           | $\Box$   | I       | $\perp$  | $\perp$      | 1        | Ļ        | L            | $\perp$  | $\perp$  |
|                | 1  | 7            | 11       | 1          | 1         |           |          |                |          | $oxed{\mathbb{L}}$ | Ι          | L                | ]   |          | 99                | _              | L        |          |          | $\Box$   |              |          | _        | _        |          | ļ   |               | 149           | $\perp$  |         |          | 1            | $\perp$  | ↓_       | $\perp$      | $\perp$  | ļ        |
| Γ              | (3)                                      | N)           | 叿        | Ι          | I         |           |          |                |          | 1                  |            |                  | _]  | Ĺ        | 10                | ol_            |          |          | L        | L        | <u> </u>     | <u>L</u> |          | <u>L</u> | L        | J   | L             | 150           |  | $\perp$ | 丄        |              | <u> </u> |          | L            | L        | 上        |

If more than 150 claims or 10 actions staple additional sheet here